**Plant Objective List**

**The test will be on Friday 4/13/2012. If you do not take the test on Friday, then you will be taking an essay test when you return. Please discuss with Mr. Cobb any circumstances that may prevent you from taking this test on the scheduled day prior to test day. Good luck and knock this test out of the park!!! ☺**

1. Plant Classification and characteristics of plant kingdom
2. Why study plants?
3. Nonvascular plants (Bryophyta) characteristics
4. Moss reproduction
5. Vascular plants without seeds (Pteridophyta) characteristics
6. Fern reproduction and gametophytes
7. Vascular plant with seeds characteristics
8. Gymnosperms vs. angiosperms
9. Coniferophyta (cone-bearing plant) charactistics
10. Anthophyta characterisitcs
11. Monocots vs. dicots
12. Plant tissue types: dermal, vascular, ground, and meristematic
13. Structure of a leaf
14. Palmate vs. pinnate leaf shape
15. Compound vs. simple leaf shape
16. Stomata and guard cell purpose, function, location, and what causes them to work.
17. Root tissues (4 regions)
18. 4 purposes of roots
19. Function of water in plants (4 primary)
20. Plant movement (nastic)
21. Essential minerals in plants and fertilizers
22. Tropism
23. Photoperiodism
24. Parts of a flower